

Name _____

Date _____

Menu Math Fractions II – Division

Class _____

Directions: Complete the below listed assignments in order while working independently this week. The packet is due **Friday, January 15th**.

_____ Page 1 – Review: Addition & Subtraction of Fractions

_____ Pages 2 & 3 – Dividing Fractions

_____ Pages 4, 5 & 6 – Review: Mixed Operations of Fractions

_____ Page 7 – Dividing Fractions

_____ Pages 8, 9, 10 & 11 – Mixed Operations of Fractions: Word Problems

_____ Pages 12, 13 & 14 – Finding Volume with Unit Cubes



Solve each problem. Write the answer as a mixed number fraction (if possible).

1) $\frac{8}{10} - \frac{2}{5} =$

2) $\frac{6}{10} - \frac{2}{6} =$

3) $\frac{9}{12} - \frac{4}{6} =$

4) $\frac{6}{8} - \frac{2}{6} =$

5) $\frac{1}{2} - \frac{2}{5} =$

6) $\frac{9}{10} - \frac{1}{2} =$

7) $\frac{2}{3} + \frac{2}{10} =$

8) $\frac{6}{8} + \frac{1}{2} =$

9) $\frac{3}{6} + \frac{1}{4} =$

10) $\frac{6}{10} + \frac{2}{4} =$

11) $\frac{11}{12} + \frac{3}{5} =$

12) $\frac{2}{3} + \frac{4}{10} =$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

①



Solve each problem. Write your answer as a mixed number (if possible).

Answers

1) $3\frac{1}{2} \div 2 =$

2) $3\frac{1}{6} \div 5\frac{3}{4} =$

3) $3\frac{4}{6} \div \frac{18}{5} =$

4) $1 \div \frac{1}{2} =$

5) $3 \div 1\frac{2}{4} =$

6) $1 \div \frac{11}{2} =$

7) $\frac{1}{4} \div \frac{3}{5} =$

8) $\frac{1}{3} \div 1 =$

9) $\frac{2}{4} \div 4\frac{3}{5} =$

10) $\frac{2}{5} \div \frac{25}{6} =$

11) $\frac{27}{6} \div \frac{2}{5} =$

12) $\frac{7}{2} \div 2 =$

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____
- 11. _____
- 12. _____

2



Solve each problem. Write your answer as a mixed number (if possible).

1) $2\frac{2}{5} \div 1 =$

2) $3\frac{1}{6} \div 5\frac{3}{4} =$

3) $3\frac{3}{6} \div \frac{10}{3} =$

4) $1 \div \frac{4}{5} =$

5) $2 \div 1\frac{3}{6} =$

6) $2 \div \frac{5}{2} =$

7) $\frac{1}{3} \div \frac{2}{3} =$

8) $\frac{1}{2} \div 3 =$

9) $\frac{1}{3} \div 5\frac{3}{5} =$

10) $\frac{3}{4} \div \frac{9}{2} =$

11) $\frac{13}{4} \div \frac{1}{2} =$

12) $\frac{22}{4} \div 4 =$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

3

Name : _____

Score : _____

Teacher : _____

Date : _____

Mixed Problems with Fractions

1) $\frac{8}{10} - \frac{1}{2} =$

2) $\frac{1}{5} \times \frac{1}{3} =$

3) $\frac{6}{10} - \frac{2}{5} =$

4) $\frac{1}{2} + \frac{3}{4} =$

5) $\frac{3}{5} \div \frac{2}{3} =$

6) $\frac{2}{4} \div \frac{2}{3} =$

7) $\frac{1}{10} \times \frac{2}{4} =$

8) $\frac{8}{10} \div \frac{1}{2} =$

9) $\frac{2}{3} + \frac{2}{4} =$

10) $\frac{4}{10} \times \frac{1}{2} =$

11) $\frac{1}{5} - \frac{2}{10} =$

12) $\frac{1}{2} + \frac{1}{4} =$

4



Name : _____ Score : _____

Teacher : _____ Date : _____

Mixed Problems with Fractions

1) $\frac{1}{2} + \frac{5}{10} =$

2) $\frac{1}{2} \times \frac{1}{5} =$

3) $\frac{1}{2} \times \frac{5}{10} =$

4) $\frac{2}{3} \times \frac{1}{4} =$

5) $\frac{2}{3} - \frac{1}{2} =$

6) $\frac{2}{4} - \frac{1}{2} =$

7) $\frac{1}{2} \div \frac{1}{5} =$

8) $\frac{2}{3} \div \frac{1}{2} =$

9) $\frac{2}{10} \div \frac{1}{3} =$

10) $\frac{1}{5} + \frac{3}{10} =$

11) $\frac{1}{3} + \frac{2}{10} =$

12) $\frac{2}{3} - \frac{1}{2} =$

5



Name : _____ Score : _____

Teacher : _____ Date : _____

Mixed Problems with Fractions

1) $\frac{7}{9} - \frac{5}{10} =$

2) $\frac{2}{3} + \frac{4}{10} =$

3) $\frac{1}{7} \div \frac{1}{2} =$

4) $\frac{1}{2} \div \frac{2}{6} =$

5) $\frac{5}{9} - \frac{3}{7} =$

6) $\frac{1}{4} \div \frac{7}{9} =$

7) $\frac{1}{2} \times \frac{2}{8} =$

8) $\frac{2}{7} - \frac{1}{5} =$

9) $\frac{6}{8} \times \frac{6}{7} =$

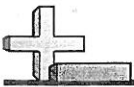
10) $\frac{1}{7} + \frac{6}{8} =$

11) $\frac{2}{7} \times \frac{1}{2} =$

12) $\frac{1}{3} + \frac{3}{7} =$

6





Solve each problem. Write your answer as a mixed number (if possible).

Answers

1) $2\frac{2}{3} \div 5 =$

2) $2\frac{1}{2} \div 1\frac{3}{4} =$

3) $5\frac{1}{5} \div \frac{8}{3} =$

4) $2 \div \frac{1}{4} =$

5) $4 \div 3\frac{1}{2} =$

6) $4 \div \frac{11}{2} =$

7) $\frac{2}{6} \div \frac{1}{2} =$

8) $\frac{1}{4} \div 2 =$

9) $\frac{2}{3} \div 2\frac{1}{3} =$

10) $\frac{1}{2} \div \frac{14}{5} =$

11) $\frac{20}{6} \div \frac{2}{3} =$

12) $\frac{19}{4} \div 5 =$

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

7

Grade 5 Math Word Problems Worksheet

Read and answer each question. Show your work!

Mixed Practice with Fractions #1

1. Of the 95 children in 6th grade, $\frac{3}{5}$ went to holiday parties. How many students went to holiday parties in all?
2. Amy has 72 sweets in a bag. She keeps $\frac{1}{4}$ of them for herself and shares the rest with friends. How many sweets will she give to her friends?
3. A train arrives at the station with 150 passengers on board. $\frac{2}{5}$ of the passengers get off the train in Seattle, and then 35 passengers board the train. How many passengers are on the train when it leaves the station?
4. 30 people watched the soccer game last night. Tickets cost \$2.75 each. Half of these fans bought a program at \$1.50 each. How much money was collected altogether?
5. Dean buys 25 stickers on Monday and 17 on Tuesday, On Wednesday he gives $\frac{1}{6}$ of his stickers to Jack. How many does he have left?



Grade 5 Math Word Problems Worksheet

Read and answer each question. Show your work!

Mixed Practice with Fractions #2

1. Ryan bought a packet of 60 biscuits on Saturday. On Sunday he ate half of them. On Monday he ate 19 of them. How many biscuits did he have left for Tuesday?
2. Of the 125 children in 5th grade, three-fifths have a mobile phone. How many children do not have a mobile phone?
3. Money off coupons have been circulated to 300 households. Only $\frac{2}{5}$ of these were redeemed (used) in the local supermarket to get a free shampoo. What fraction of coupons were unused?
4. In a sale Gameboys are reduced by two-fifths. What is the sale price if the original price was \$50.00?
5. On eight book shelves there are 44 books per shelf. How many books are there altogether? If $\frac{1}{4}$ of these books are novels, how many novels would there be?

9

Name _____

Division of fractions and whole numbers

Date _____

Class _____

Directions: Write an expression for each question to determine the quotient.

- 1) Antonia has 10 feet of ribbon. Each bow she is making requires using $\frac{3}{4}$ of a foot of ribbon. How many bows can Antonia make with the ribbon she has?

- 2) At the market, Jonah bought $3\frac{1}{2}$ pounds of blueberries. If he and his three brothers eat an equal amount of blueberries, what quantity of blueberries will each person receive?

- 3) Each morning Mrs. Davis uses $\frac{1}{16}$ pound of coffee. If each bag of coffee is two pounds, how many days will each bag of coffee last?

- 4) After Thomas' birthday party $\frac{3}{5}$ of the cake remained. The next day, Thomas and his two friends ate the remaining cake. What fraction of the original cake did Thomas and his two friends eat?

- 5) Morton stores his bottle caps in a large container under his bed. He has $8\frac{1}{2}$ pounds of bottle caps. Morton decides to use three identical containers to store the bottle caps. How many pounds of bottle caps are in each of the new containers?

- 6) William has 6 feet of wood. The project he is building requires $\frac{4}{5}$ foot lengths of wood. How many pieces of wood can William cut from the length he has?

- 7) Robin brought in a four pound box of chocolate to share with her classmates for Valentine's Day. If there are 22 students in the class including Robin, how much chocolate will each student receive?

- 8) My dog Bella eats $\frac{1}{2}$ cup of dog food each day. If I purchase a 25 cup bag of dog food, for how many days will I be able to feed Bella before the dog food runs out?

- 9) There are 18 students in 5B. Mr. Knox promised to give them $\frac{1}{4}$ of a pizza each for being the top class for donations during the food drive. How many pizzas will Mr. Knox need to order so that each student receives $\frac{1}{4}$ of a pizza?

Name _____
Multiplication and Division of Fractions – Word Problems

Date _____
Class _____

Directions: Solve each multiplication or division problem. Be sure to write the expression necessary to solve. Show all work. Answers must be in simplest form.

1) Mike worked for $2\frac{3}{4}$ hours on his science project last week. This week he spent $2\frac{1}{2}$ times longer working on his project. How long did Mike spend working on his science project this week?

2) There are 32 episodes recorded in the DVR. If $\frac{3}{8}$ of the episodes have been watched, how many episodes *haven't* been watched yet?

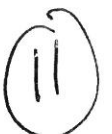
3) Serena's notebook has 120 pages in it. She uses $2\frac{1}{2}$ pages each day for note taking. How many days will it be before Serena finishes the notebook?

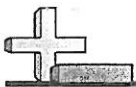
4) Upon opening the refrigerator, I noticed that the soda was $\frac{1}{2}$ full. I poured myself and three friends equal portions of what was remaining. What fraction of the entire bottle did each of us drink?

5) The enrollment at BBL is approximately 400 students. The student body is made up of $\frac{5}{8}$ girls. How many female students attend BBL?

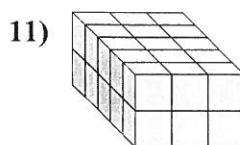
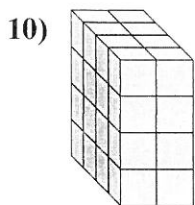
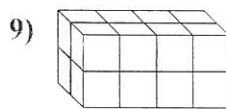
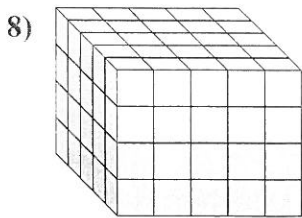
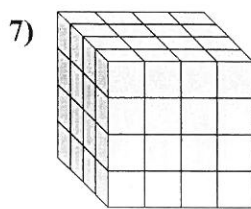
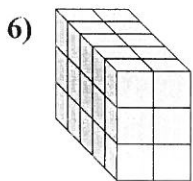
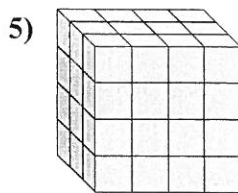
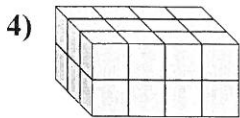
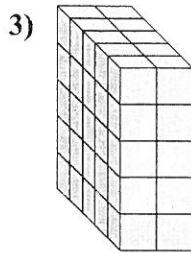
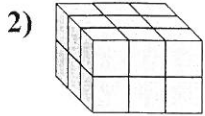
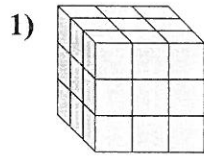
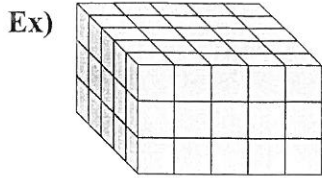
6) I have a scarf that is 9 feet long. If it takes $2\frac{1}{3}$ feet of scarf to wrap around myself one whole time, how many times can I completely wrap myself?

7) Marco is reading a book that has 320 pages in it. On Wednesday he read $\frac{1}{8}$ of the book, on Tuesday he read $\frac{1}{10}$ of the book and on Thursday he read $\frac{1}{4}$ of the book. How many pages does he have left to read?





Find the length, width and height of the rectangular prism. Then find the volume.



Answers

L W H V

Ex. 5 5 3 75

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

13

